



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

Applicants : Reuven Bakalash et al.  
Application No. : 10/849,501  
Filing Date : May 19, 2004  
Title of Invention : METHOD OF AND APPARATUS FOR DATA  
AGGREGATION UTILIZING A MULTIDIMENSIONAL  
DATABASE AND MULTI-STAGE DATA AGGREGATION  
OPERATIONS  
Examiner : not yet assigned  
Group Art Unit : 2177  
Attorney Docket No. : 122-007USANL0

Honorable Commissioner of Patents  
and Trademarks  
Washington, DC 20231

**SECOND PRELIMINARY AMENDMENT**

SIR:

Prior to examination of the present Application, please amend the same as follows.

**AMENDMENT OF THE SPECIFICATION:**

**On Page 10**, please amend the second paragraph as follows:

An exemplary star schema is illustrated in FIG. 17A for suppliers (the "Supplier" dimension) and parts (the "Parts" dimension) over time periods (the "Time-Period" dimension). It includes a central fact table "Supplied-Parts" that relates to multiple dimensions - the "Supplier", "Parts" and "Time-Period" dimensions. ~~FIG. 17B illustrates the tables used to implement the star schema of FIG. 17A. More specifically, these tables include a~~ A central fact table and a dimension table for each dimension in the logical schema of FIG. 17A may be used to implement this logical schema. A given dimension table stores rows (instances) of the dimension defined in the logical schema. ~~For the sake of description, FIG. 17B illustrates the dimension table for the "Time-Period" dimension only. Similar dimension tables for the "Supplier" and "Part" dimensions (not shown) are also included in such an implementation.~~ Each row within the central fact table includes a multi-part key associated with a set of facts (in this example, a number representing a quantity). The multi-part key of a given row (values